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		552	U. S. P.		1.593,579	8.3
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German Patent	394,330	120	U. S. P.		1,595,856	338
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German Patent	437,934	218	U. S. P.		1,596,737	218
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U. S. P.	1.582.714	216	U. S. P.		1,603,086	14
U. S. P.	1,583,592	32	U. S. P.		1,603,499	126
U. S. P.	1,583,658	3.2	U. S. P.			
U. S. P.	1,584,473	32	U. S. P.		1,603,783	180
U. S. P.	1,585,348	17			1,604,471	126
J. S. P.	1,585,643	33	U. S. P.		1,604,728	218
U. S. P.			U. S. P.		1,604,799	218
	1,585,703	33	U. S. P.		1,605,180	176
	1,585,857	3.2	U. S. P.		1,606,030	290
U. S. P.	1.587,622		# U. S. P.		1,606,680	176
U. S. P.	1,587,669	82	U. S. P.		1,606,722	472
U. S. P.	1.587,698	32	U. S. P.		1,606,943	459
U. S. P.	1,587,708	82	U. S. P.			
U. S. P.	1,588,164	126			1,607,073	408
U. S. P.	1.588,728	126	U, S. P.		1,607,074	408
U. S. P.	1.588,815		U. S. P.		1,607,293	334
U. S. P.		126	U. S. P.		1,607,474	278
U. S. P.	1,590,523	82	U. S. P.		1,607,522	265
U. S. P.	1,591,081	81	U. S. P.		1,607,585	334
C. S. P.	1,591,534	83	U. S. P.		1,607,623	290
U. S. P.	1.591,590	39	U. S. P.		1,607,624	290
U. S. P.	1,591,652	116	U. S. P.		1.608,135	279
U. S. P.	1.591,653	81	U. S. P.			
. S. P.	1,591,844	86			1.608,165	470
J. S. P.	1,592,082	80	U. S. P.		1,608,421	279
J. S. P.			U. S. P.		1,608,714	394
J. S. P.	1,592,296	80	U. S. P.		1,608,886	408
J. S. P.	1,592,340	40	U. S. P.		1,608,980	472
	1.592,773	80	U. S. P.		1,609,367	472
J. S. P.	1,593,314	80	U. S. P.		1,609,460	408
J. S. P.	1,593,342	87	U. S. P.		1,609,506	163
					THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN 1.	100
J. S. P.	1.593,376	26				
J. S. P. J. S. P.	1,593,376 1,593,525	26 63	U. S. P. U. S. P.		1,609,539 1,609,558	339 218

	n'i v. n.			D. V. D.	
Country	Pat. No. Page		Country		ge No.
U. S. P.	1.610,765	338	U. S. P.	1.630,262	457
U. S. P.	1,611,056	338.	U. S. P.	1.630,365	622
U. S. P.	1.611.169	491	U. S. P.	1,630,424	482
U. S. P.	1.612,391	338	U. S. P.	1.630,752	608
U. S. P.	1,612,576	338	U. S. P.	1,631,468	541
U. S. P.	1,613,202	176	U. S. P.	1,631,671	540
U. S. P.	1,613,218	408	U. S. P.	1,631,750	529
U. S. P.	1.613.219	218	U. S. P.	1,632,113	524
U. S. P.	1,613,451	219	U. S. P.	1,632,238	666
U. S. P.	1,613,489	325	U. S. P.	1,633,067	542
U, S, P.	1,613,673	393	U. S. P.	1,633,262	542
U. S. P.	1,613,674	393	U. S. P.	1,633,337	607
U. S. P.	1,613,724	473	U. S. P.	1,633,292	674
U. S. P.	1,613,993	47.3	U. S. P.	1.633,441	4.35
U. S. P.	1,614,025	207	U. S. P.	1,633,740	428
U. S. P.	1,614,171	339	U. S. P.	1,633,393	666
U. S. P.	1,614,631	408	U. S. P.	1,633,967	546
U. S. P.	1,615,408	. 219	U. S. P.	1.634,293	540
U. S. P.	1,615,770	408	U. S. P.	1,634,293	466
U. S. P.	1,616,062	401	U. S. P.	1,634,980	608
U. S. P.	1,616,910	351	U. S. P.	1,634,986	540
U. S. P.	1,616,930	339	U. S. P.	1,635,026	608
U. S. P.	1,617,237	218	U. S. P.	1,635,031	608
U. S. P.	1.617,485	417	U. S. P.	1,635,065	540
U. S. P.	1,617,707	339	U. S. P.	1,635,681	540
U. S. P.	1,618,263	205	U. S. P.	1.635,699	457
U. S. P.	1,618,581	279	U. S. P.	1,635,799	458
U. S. P.	1,618,483	278	U. S. P.	1,635,862	540
U. S. P.	1,618,483	278	U. S. P.	1,635,881	458
U. S. P.	1,618,484	279	U. S. P.	1,635,982	541
U. S. P.	1,618,875	417	U. S. P.	1,636,491	541
U. S. P.	1,619,079	219	U. S. P.	1,636,596	608
U. S. P.	1,619,212	278	U. S. P.	1,636,683	594
U. S. P.	1,619,233	278		1,636,836	540
U. S. P.	1,619,692	205	U. S. P.		666
U. S. P.	1,619,758	225	U. S. P.	1,636,870	458
U. S. P.	1,620,388	408	U. S. P.	1,637,029	
U. S. P.	1,620,538	408	U. S. P.	1,637,301	540
U. S. P.	1,620,938	408	U. S. P.	1,637,302	540
U. S. P.			U. S. P.	1,637,302	540
U. S. P.	1,620,977	408	U. S. P.	1,637,512	524
U. S. P.	1,621,269	392	U. S. P.	1.637,547	542
U. S. P.	1,621,425	391	U. S. P.	1,637,709	542
U. S. P.	1,621,742	409	U. S. P.	1.637,715	665
U. S. P.	1,622,116	326	U. S. P.	1.637,877	482
U. S. P.	1,623,022	474	U. S. P.	1,638,960	540
U. S. P.	1,623,085	395	U. S. P.	1,639,080	540
	1,623,285	409	U. S. P.	1,640,363	661
U. S. P.	1,623,500	472	U. S. P.	1,640,364	661
U. S. P.	1,623,588	472	U. S. P.	1,640,364	661
U. S. P.	1,623,894	325	U. S. P.	1,640,596	593
U. S. P.	1,623,901	473	U. S. P.	1,640,712	540
U. S. P.	1,624,082	472	U. S. P.	1,640,737	540
U. S. P.	1,624,471	472	U. S. P.	1,640,899	545
U. S. P.	1,624,595	298	U. S. P.	1,641,292	659
U. S. P.	1,624,638	472	U. S. P.	1,641,529	675
U. S. P.	1,624,753	408	U. S. P.	1.641,579	674
U. S. P.	1,625,066	456	U. S. P.	1,642,636	674
U. S. P.	1,625,283	400	U. S. P.	1,642,666	662
U. S. P.	1,625,301	474	U. S. P.	1,643,447	670
U. S. P.	1,625,416	608	U. S. P.	1,643,496	676
U. S. P.	1,625,705	474	U. S. P.	1.643,520	675
U. S. P.	1.625,705	474	U. S. P.	1.643,521	675
U. S. P.	1.625,852	472	U. S. P.	1,644,115	663
U. S. P.		305	U. S. P.	1,644,417	674
U. S. P.	1.627.195	411	U. S. P.	1.644,418	674
U. S. P.	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	598			
U. S. P.		666	U. S. P.	1,644,593	700
U. S. P.		474	U. S. P.	1.645.226	670
		608	U. S. P.	1,645,693	670
** 4		20.0	U. S. P		706
			U. S. 1	1.646.261	700